

DRAFT SC11
Seattle, WA
November 14-17, 2011
NOAA Exhibit Schedule

6:00 – 7:00 pm Press Tour Monday 14 November 2011

Time	Location- NOAA Booth	Presentation Description	Presenter
6:00 – 6:30 pm	Science On a Sphere	NOAA Research – extends from the surface of the sun to the depths of the ocean floor. View animated images of atmospheric storms, climate change, and ocean temperatures – a few of the many data sets that can be shown on SOS.	Beth Russell , Science On a Sphere Educator, NOAA Earth System Research Laboratory
6:30 – 7:00 pm	Theater	Japan Earthquake and Tsunami Wave Heights, March 11, 2011 - On March 11, 2011 at 2:45 local time, a 9.0 magnitude earthquake occurred 81 miles (130 km) off the east coast of Sendai, Japan, triggering a massive tsunami. View several data sets related to this event on SOS.	Chris Moore , Research Scientist, NOAA Center for Tsunami Research, Pacific Marine Environmental Laboratory, Seattle Washington

7:00 – 9:00 pm Opening Gala Monday 14 November 2011

7:00 – 7:30 pm	Science On a Sphere	NOAA Center for Tsunami Research – developing operational methods and tools to reduce Tsunami hazard and protect life.	Chris Moore , Research Scientist, NOAA Center for Tsunami Research, Pacific Marine Environmental Laboratory, Seattle Washington
7:30 – 8:00 pm	Theater	Space Weather Affects You – Critical systems on which <i>you</i> depend – electric power, satellite navigation, air travel, etc. – feel the impact of space weather. Critical data, a new physics-based prediction model, and affected technologies will be highlighted in this presentation from Space Weather Prediction Center (SWPC).	Joe Kunches , Scientist, NOAA Space Weather Prediction Center (SWPC), Boulder, Colorado

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8:00 – 8:30 pm	Science On a Sphere	NOAA Weather Briefing – What is the weather forecast for SC11? - Get an overview of the current weather patterns in real-time for Seattle, WA area and across the Nation.	Ted Buehner , Meteorologist, National Weather Service Forecast Office, Seattle, Washington
8:30 – 9:00 pm	Theater	NOAA Ship Okeanos Explorer – Scientists from the Pacific Marine Environmental Laboratory (PMEL) and NOAA's Office of Exploration explore the deep sea from an Exploration Command Center in Seattle, Washington.	Craig Russell , Program Manager, Okeanos Explorer Program, NOAA's Office of Ocean Exploration and Research
9:00 pm		End	
10:00 – 6:00 pm Exhibit Open Tuesday 15 November 2011			
10:00 – 10:30 am	Science On a Sphere	NOAA Research – extends from the surface of the sun to the depths of the ocean floor. View animated images of atmospheric storms, climate change, and ocean temperatures – a few of the many data sets that can be shown on SOS.	Beth Russell , Meteorologist and SOS Educator, NOAA Earth System Research Laboratory
10:30 – 11:00 am	Theater	NOAA's Geospatial Capabilities for Emergency Response – learn how NOAA acquires remotely sensed data following a hurricane, tornado or other disaster, processes that data or imagery and make it available to first responders and the general public in a timely manner.	Jon Sellars , Cartographer, NOAA National Ocean Service, Systems and Quality Assurance Branch
11:00 – 11:30 am	Science On a Sphere	NOAA Weather Briefing - What is the weather forecast for SC11? Get an overview of the current weather patterns in real-time for Seattle, WA area and across the Nation.	Kirby Cook , Meteorologist, National Weather Service Forecast Office, Seattle, Washington

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11:30 – 12:00 pm	Theater	<i>High Performance Computing (HPC) and Weather Forecasting</i> – the importance of HPC in delivering more accurate and timely forecasts to save lives and property.	Paul Schultz , Meteorologist, NOAA Earth System Research Laboratory, Boulder, Colorado
12:00 – 12:30 pm	Science On a Sphere	<i>Natural Disasters</i> - visualize hurricanes, earthquakes and other natural disasters on Science On a Sphere.	Beth Russell , Science On a Sphere Educator, NOAA Earth System Research Laboratory, Boulder, Colorado
12:30 – 1:00 pm	Theater	<i>Space Weather Affects You</i> – Critical systems on which <i>you</i> depend – electric power, satellite navigation, air travel, etc. – feel the impact of space weather. Critical data, a new physics-based prediction model, and affected technologies will be highlighted in this presentation from Space Weather Prediction Center (SWPC).	Joe Kunches , Scientist, NOAA Space Weather Prediction Center (SWPC), Boulder, Colorado
1:00 – 1:30 pm	Science On a Sphere	<i>Solar System</i> – come to the NOAA booth for a close-up view of our solar system.	Beth Russell , Science On a Sphere Educator, NOAA Earth System Research Laboratory, Boulder, Colorado
1:30 – 2:00 pm	Theater	NMFS	NMFS
2:00 – 2:30 pm	Science On a Sphere	<i>NOAA Research</i> – extends from the surface of the sun to the depths of the ocean floor. View animated images of atmospheric storms, climate change, and ocean temperatures – a few of the many data sets that can be shown on SOS.	Beth Russell , Meteorologist and SOS Educator, NOAA Earth System Research Laboratory
2:30 – 3:00 pm	Theater	<i>Using Graphical Processing Units</i> – for Next Generation Weather and Climate Prediction.	Craig Tierney
3:00 – 3:30 pm	Science On a Sphere	<i>NOAA Weather Briefing</i> - What is the weather forecast for SC11? Get an overview of the current weather patterns in real-time for Seattle, WA area and across the Nation.	Kirby Cook , Meteorologist, National Weather Service Forecast Office, Seattle, Washington

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3:30 – 4:00 pm	Theater	<i>High Performance Computing (HPC) and Weather Forecasting</i> – the importance of HPC in delivering more accurate and timely forecasts to save lives and property.	Paul Schultz , Meteorologist, NOAA Earth System Research Laboratory, Boulder, Colorado
4:00 – 4:30 pm	Science On a Sphere	<i>The Vast Ocean</i> – 71% of the Earth's surface is covered by oceans. Come see a collection of datasets about the oceans on Science On a Sphere	Beth Russell , Science On a Sphere Educator, NOAA Earth System Research Laboratory, Boulder, Colorado
4:30 – 5:00 pm	Theater	<i>NOAA Ship Okeanos Explorer</i> – Scientists from the Pacific Marine Environmental Laboratory (PMEL) and NOAA's Office of Exploration explore the deep sea from an Exploration Command Center in Seattle, Washington.	LT. Nicola Verplanck , Deputy Program Manager, Okeanos Explorer Program, NOAA's Office of Ocean Exploration and Research
5:00 – 5:30 pm	Science On a Sphere	<i>NOAA Weather Briefing</i> - What is the weather forecast for SC11? Get an overview of the current weather patterns in real-time for Seattle, WA area and across the Nation.	Kirby Cook , Meteorologist, National Weather Service Forecast Office, Seattle, Washington
5:30 – 6:00 pm	Theater	<i>What's the difference between a video game and a data visualization?</i> Quite a bit less than you'd think. In essence, video games are just visualizations – of worlds, of characters, of battles – that are interactive and put to a story. Since we work at NOAA, where literally hundreds of thousands of gigabytes of information are produced daily, we decided to undertake an experiment: to see if we could use a traditional game engine like Unity3D for serious data visualizations.	Eric Hackathorn , 3D Web Designer, NOAA Earth Systems Research Laboratory, Boulder, Colorado
6:00 pm		End	

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10:00 – 6:00 pm Exhibit Open Wednesday 16 November 2011

10:00 – 10:30 am	Science On a Sphere	NOAA Research – extends from the surface of the sun to the depths of the ocean floor. View animated images of atmospheric storms, climate change, and ocean temperatures – a few of the many data sets that can be shown on SOS.	Beth Russell , Meteorologist and SOS Educator, NOAA Earth System Research Laboratory, Boulder, Colorado
10:30 – 11:00 am	Theater	Using GPU's to run the NIM weather model. NOAA is breaking new ground by investigating GPUs as a way to get the massive computing power needed for advancing new science.	Mark Govett , Chief, Advanced Computing Section, NOAA Earth System Research Laboratory, Boulder, Colorado
11:00 – 11:30 am	Science On a Sphere	NOAA Weather Briefing - What is the weather forecast for SC11? Get an overview of the current weather patterns in real-time for Seattle, WA area and across the Nation.	Ted Buehner , Meteorologist, National Weather Service Forecast Office, Seattle, Washington
11:30 – 12:00 pm	Theater	High Performance Computing (HPC) and Weather Forecasting – the importance of HPC in delivering more accurate and timely forecasts to save lives and property.	Paul Schultz , Meteorologist, NOAA Earth System Research Laboratory, Boulder, Colorado
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12:30 – 1:00 pm	Theater	Using Graphical Processing Units – for Next Generation Weather and Climate Prediction.	Craig Tierney
1:00 – 1:30 pm	Science On a Sphere	Natural Disasters - visualize hurricanes, earthquakes and other natural disasters on Science On a Sphere.	Beth Russell , Science On a Sphere Educator, NOAA Earth System Research Laboratory, Boulder, Colorado

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1:30 – 2:00 pm	Theater	NOAA Ship Okeanos Explorer – Scientists from the Pacific Marine Environmental Laboratory (PMEL) and NOAA’s Office of Exploration explore the deep sea around Indonesia from an Exploration Command Center in Seattle, Washington.	Craig Russell , Program Manager, Okeanos Explorer Program, NOAA’s Office of Ocean Exploration and Research
2:00 – 2:30 pm	Science On a Sphere	NOAA Weather Briefing - What is the weather forecast for SC11? Get an overview of the current weather patterns in real-time for Seattle, WA area and across the Nation.	Ted Buehner , Meteorologist, National Weather Service Forecast Office, Seattle, Washington
2:30 – 3:00 pm	Theater	High Performance Computing (HPC) and Weather Forecasting – the importance of HPC in delivering more accurate and timely forecasts to save lives and property.	Paul Schultz , Meteorologist, NOAA Earth System Research Laboratory, Boulder, Colorado
3:00 – 3:30 pm	Science On a Sphere	Solar System – come to the NOAA booth for a close-up view of our solar system.	Beth Russell , Science On a Sphere Educator, NOAA Earth System Research Laboratory, Boulder, Colorado
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10:00 – 3:00 pm Exhibit Open Thursday 17 November 2011			
10:00 – 10:30 am	Science On a Sphere	<i>NOAA Research</i> – extends from the surface of the sun to the depths of the ocean floor. View animated images of atmospheric storms, climate change, and ocean temperatures – a few of the many data sets that can be shown on SOS.	Beth Russell , Meteorologist and SOS Educator, NOAA Earth System Research Laboratory, Boulder, Colorado
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